

**Client:** Collin County, Texas  
**Project:** County Road 5 - Frontier Parkway Improvements  
 Dallas North Tollway to State Highway 5 (Collin County Schematic)  
 Engineering Fee Proposal (Hourly Rates)

### MAN-HOUR ESTIMATE FOR LUMP SUM

#### Basic Services

Phase	Description	Rate	Hrs./Mult.	Cost
10	Preliminary Schematic			
	Project Manager	\$232.70	200	\$46,540.00
	Design Engineer	\$149.82	140	\$20,974.80
	Engineer in Training	\$97.04	16	\$1,552.64
	Senior AutoCAD Technician	\$146.54	352	\$51,582.08
	AutoCAD Technician	\$121.22	176	\$21,334.72
	Clerical	\$113.55	7	\$794.85
	Structural Engineer	\$180.00	17	\$3,060.00
	Structural AutoCAD Draftsman	\$120.00	32	\$3,840.00
	Printing and Binding Expense	\$185.00	1.0	\$185.00
	Mileage @ \$0.54 and Tolls	\$60.00	1.0	\$60.00
	Postage & Deliveries	\$76.00	1.0	\$76.00
	Total Preliminary Schematic			\$150,000.00
20	30%, 60%, 90% & Final Design	Rate	Hrs./Mult.	Cost
	Project Manager	\$232.70	1400	\$325,780.00
	Design Engineer	\$149.82	1300	\$194,766.00
	Engineer in Training	\$97.04	960	\$93,158.40
	Senior AutoCAD Technician	\$146.54	2000	\$293,080.00
	AutoCAD Technician	\$121.22	1400	\$169,708.00
	Clerical	\$113.55	152	\$17,259.60
	Structural Engineer	\$180.00	240	\$43,200.00
	Structural AutoCAD Draftsman	\$120.00	300	\$36,000.00
	Printing and Binding Expense	\$2,375.00	1.0	\$2,375.00
	Mileage @ \$0.54 and Tolls	\$300.00	1.0	\$300.00
	Postage & Deliveries	\$373.00	1.0	\$373.00
	Deduct Per Discussions	-\$14,000.00	1.0	-\$14,000.00
	Total Design Phase			\$1,162,000.00
30	Bidding	Rate	Hrs./Mult.	Cost
	Project Manager	\$232.70	22	\$5,119.40
	Design Engineer	\$149.82	4	\$599.28
	Engineer in Training	\$97.04	2	\$194.08
	Senior AutoCAD Technician	\$146.54	8	\$1,172.32
	AutoCAD Technician	\$121.22	4	\$484.88
	Clerical	\$113.55	4	\$454.20
	Structural Engineer	\$180.00	2	\$360.00
	Structural AutoCAD Draftsman	\$120.00	1	\$120.00
	Printing and Binding Expense	\$360.00	1.0	\$360.00
	Mileage @ \$0.54 and Tolls	\$60.00	1.0	\$60.00
	Postage & Deliveries	\$76.00	1.0	\$76.00
	Total Bidding Phase			\$9,000.00

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**MAN-HOUR ESTIMATE FOR LUMP SUM**

**Basic Services**

50	Construction Administration	Rate	Hrs./Mult.	Cost
	Project Manager	\$232.70	320	\$74,464.00
	Design Engineer	\$149.82	120	\$17,978.40
	Engineer in Training	\$97.04	48	\$4,657.92
	Senior AutoCAD Technician	\$146.54	300	\$43,962.00
	AutoCAD Technician	\$121.22	150	\$18,183.00
	Clerical	\$113.55	50	\$5,677.50
	Structural Engineer	\$180.00	48	\$8,640.00
	Structural AutoCAD Draftsman	\$120.00	28	\$3,360.00
	Printing and Binding Expense	\$2,300.00	1.0	\$2,300.00
	Mileage @ \$0.54 and Tolls	\$380.00	1.0	\$380.00
	Postage & Deliveries	\$397.00	1.0	\$397.00
	Total Administration Phase			\$180,000.00

**TOTAL BASIC SERVICES LUMP SUM AMOUNT**

**\$1,501,000.00**

Totals are rounded to Nearest Whole \$ for each Phase